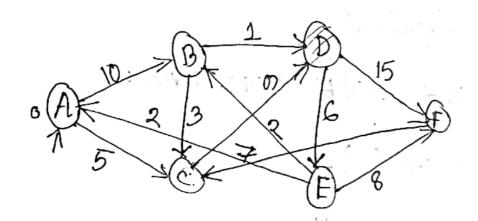
Name: Mukta Akter Mino

15/00/21

ID: 2018-3-60-009

Course: CSE 246,

Ans: to the GIA No. 2



ventex A	B	<u> </u>	\mathcal{D}	E	F
A [0]	20	\propto	\sim	X.	\sim
0	10	5	\approx	\sim	\sim
B	[10]	·	14	α	
D		·	[77]	N N	~ ~
Ē	***		in	[7]	26
F	1				[] 25

Ans: to the BIA NO.1

struct edge. vector Kedges 3 const Int INF = INT- MAK; void solve (). rector lint) d (n, INF); d[V] = 0 3 for (i=0) izn-1; i++) too 13 = 0; 3 < m; j++) H. (d[e[o].a] <2NF)

∂[e[i].b] = min [d [e[i].b],

&[e[i].cost);

Here, few phases are useful work is done, other remaining phases are useless so, let's keep a flag variable. int f=time; f will cheek whether something changed the current phase on not. This accelerate the behavior of the algorithm.

50, bool f=false.

if (cost change)

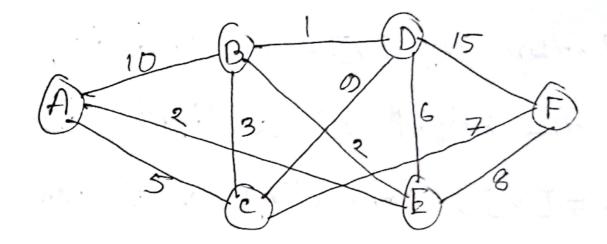
f= fnew;

If (1f)

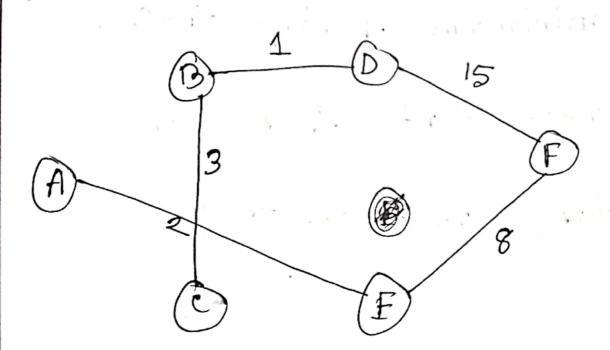
break o

Ans: to the Q/A NO.3

From Question 29



Kruskal?



Ans: to the A/A Nay

For all vertices VEQ, if I[V] nil, then key [v] Ld. and dkey [i is the weight of a light edge (V, T[V]) connecting V to some ventex already pinched into the minimum spaning tree The thee Stants from an applitary most ventex T.

Ans: to the B/A NO.5

 \mathcal{D}^{c}

0	3	5	'Int	in	t i	m
in	0	9	15	jn	1 1	of
int	int	0	0	lin	1 1	4
int	Int	int	0	\ :	2	11
int	int	int	int	-	0	3
int	int	in	int		int	0

D1

1		5	lint	int	int
0	3	9	5	int	int
int	10	1	0	in	int
int	177	ml	2	2	11
Jut	int	117	int	0	3
int	17	20			
int	int	11	int	int	0